

b) DNA complementary to the DNA of a), i.e. of sequence
5'

GTC ACC TCG GCC CCG GAC ACC AGG CCG GCC-
CCG GGC TCC ACC GCC CCC CCA GCC CAC GGT-
GTC ACC TCG GCC CCG GAC ACC AGG CCG GCC-
CCG GGC TCC ACC GCC CCC CCA GCC CAC GGT 3'.

Please add the following new claims:

SUB C1 → 11 (new). An expression vector which is a recombinant DNA molecule or a purified DNA molecule, other than a whole chromosome, comprising a promoter sequence operably linked to a coding sequence, said coding sequence encoding a polypeptide comprising (the core protein of a human polymorphic epithelial mucin,) which core protein is specifically bound by monoclonal antibody SM3, which comprises a repeat sequence corresponding to a series of 20 consecutive amino acids within the 40 amino acid double repeat sequence.

B2 Val Thr Ser Ala Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala His Gly Val Thr Ser Ala Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala His Gly.

12 (new). The expression vector of claim 11 wherein said polypeptide comprises said double repeat sequence.

13 (new). The expression vector of claim 11 wherein said polypeptide comprises three or more repeats of the repeat sequence.

14 (new). A method of eliciting an immune response in a subject against an epitope specifically bound by monoclonal antibody SM-3, which comprises administering to the subject a vector according to claim 11, under conditions in which the vector directs expression of said antigen, which elicits said immune response.

REMARKS